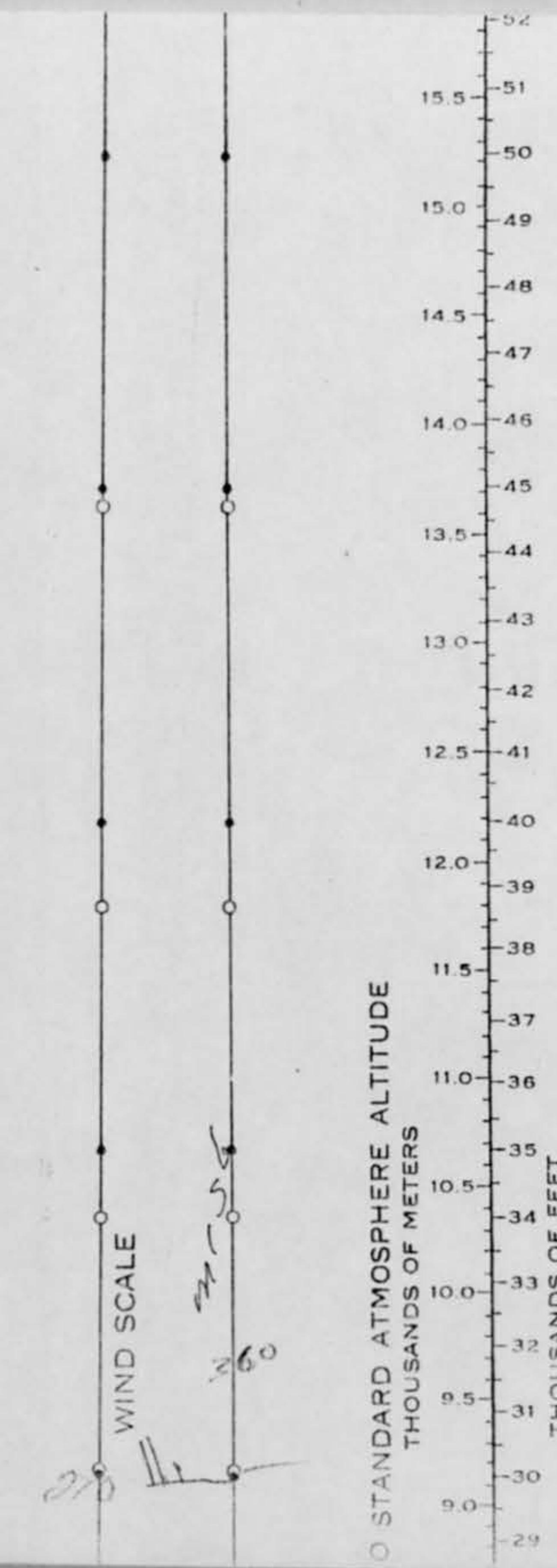
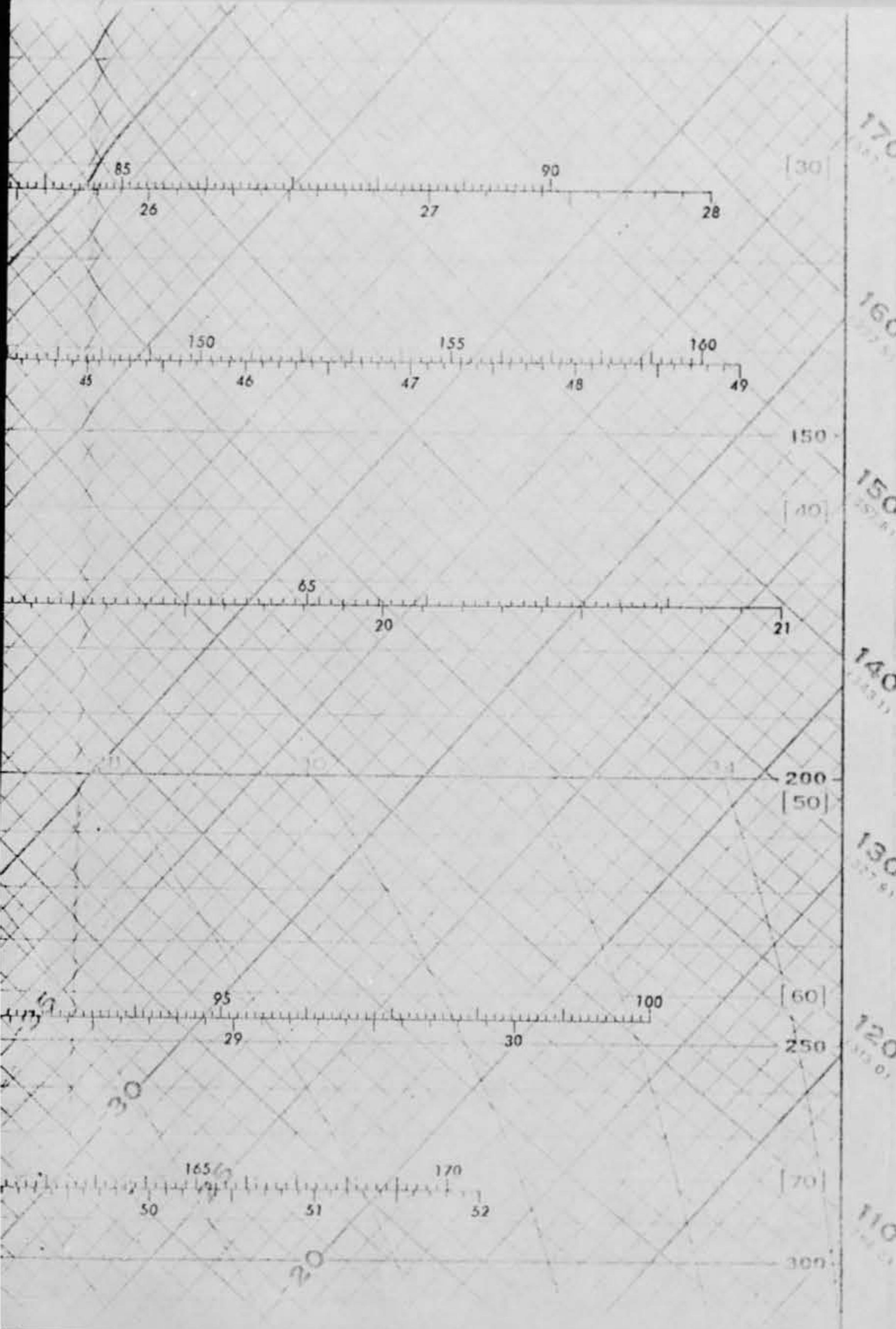


PROJECT 10073 RECORD CARD

1. DATE 24 June 1957	2. LOCATION Villa Grove, Colorado	12. CONCLUSIONS <input type="checkbox"/> Was Balloon <input type="checkbox"/> Probably Balloon <input checked="" type="checkbox"/> Possibly Balloon
3. DATE-TIME GROUP Local _____ GMT 24/2330Z	4. TYPE OF OBSERVATION <input checked="" type="checkbox"/> Ground-Visual <input type="checkbox"/> Air-Visual	<input type="checkbox"/> Ground-Radar <input type="checkbox"/> Air-Intercept Radar
5. PHOTOS <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. SOURCE Civilian	<input type="checkbox"/> Was Astronomical <input type="checkbox"/> Probably Astronomical <input type="checkbox"/> Possibly Astronomical
7. LENGTH OF OBSERVATION 2 hours	8. NUMBER OF OBJECTS one	9. COURSE 315 dgr
10. BRIEF SUMMARY OF SIGHTING Object round at bottom, star shaped on top; size of volley ball, color bright Gold. Object drifted behind mountains. Straight flight, no maneuvers.	11. COMMENTS Balloon observation.	



bar at intervals of 2°C , and run diagonally upward from right to left. The Dry Adiabats for the overlap portion of the pressure range are labeled with two (2) values. (See below.)

SATURATION ADIABATS are the curved green lines that intersect the 1000 mb. isobar at intervals of 2°C , diverging upward and tending to become parallel to the dry adiabats.

SATURATION MIXING RATIO (in gm. per kg.) is represented by dashed green lines. Their values appear between the 1050 and 1000 mb. lines.

THICKNESS (in hundreds of geopotential feet and meters) of the layers 1000-700, 1000-500, 700-500, 500-300, 300-200, 200-150, 150-100, 100-50, and 50-25 mb. is represented by numbers and a graduation along the middle of each layer. The thicknesses are obtained from the virtual temperature curve by the equal area method, using any straight line as a dividing line.

HEIGHT in geopotential feet or meters above mean sea level, or station level, of the 1000 mb. surface is obtained from the nomogram in the upper left-hand corner by drawing a straight line from the temperature scale ($^{\circ}\text{F}$) or ($^{\circ}\text{C}$) through the point p , (mean sea level or station pressure) on the pressure scale, and reading height on the appropriate height scale.

ICAO STANDARD ATMOSPHERE SOUNDING is indicated by a thick black line.

The saturated adiabats and isopleths of saturation mixing ratio are computed by use of vapor pressure over a plane water surface at all temperatures.

Extension of chart to 25 mb. has been accomplished by overlap with pressure indicated in brackets [100] at 400 mb. and [25] at 100 mb. Dry adiabats for the overlap are labeled in parentheses ().

APPROXIMATE VIRTUAL TEMPERATURE may be obtained from the formula $T_v = T \frac{w}{w + 1}$ where T_v is virtual temperature in $^{\circ}\text{C}$, T is free air temperature in $^{\circ}\text{C}$, and w is mixing ratio in grams/kilogram. For purposes of thickness computation, use the mean temperature of the layer for T and use the mean mixing ratio of the layer for w .

Black dots \bullet along wind scale line indicate the levels for which wind data is reported and plotted. The open circles \circ indicate the mandatory pressure levels at which wind data is also entered.

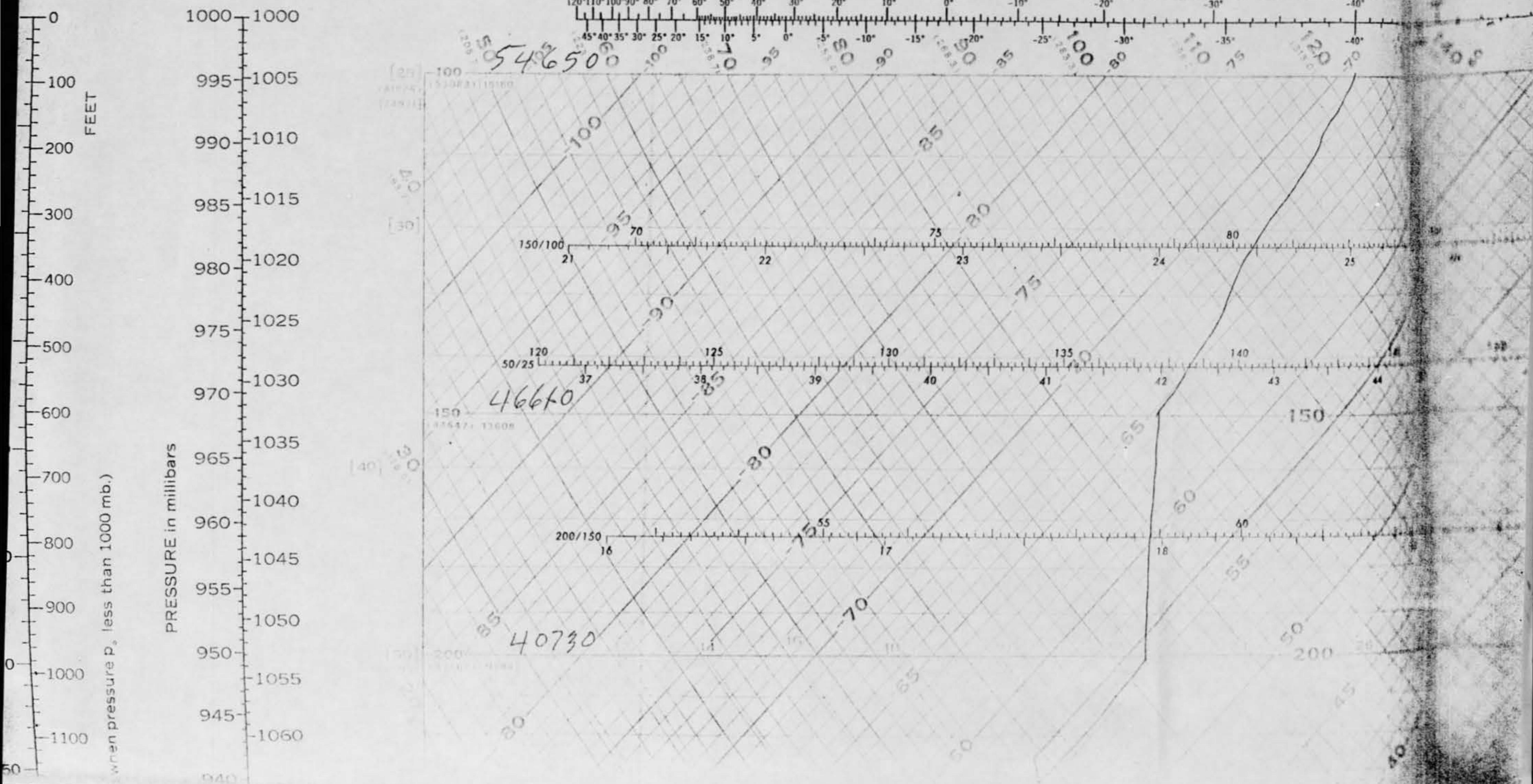
ALL heights used in this diagram are in geopotential feet and meters.

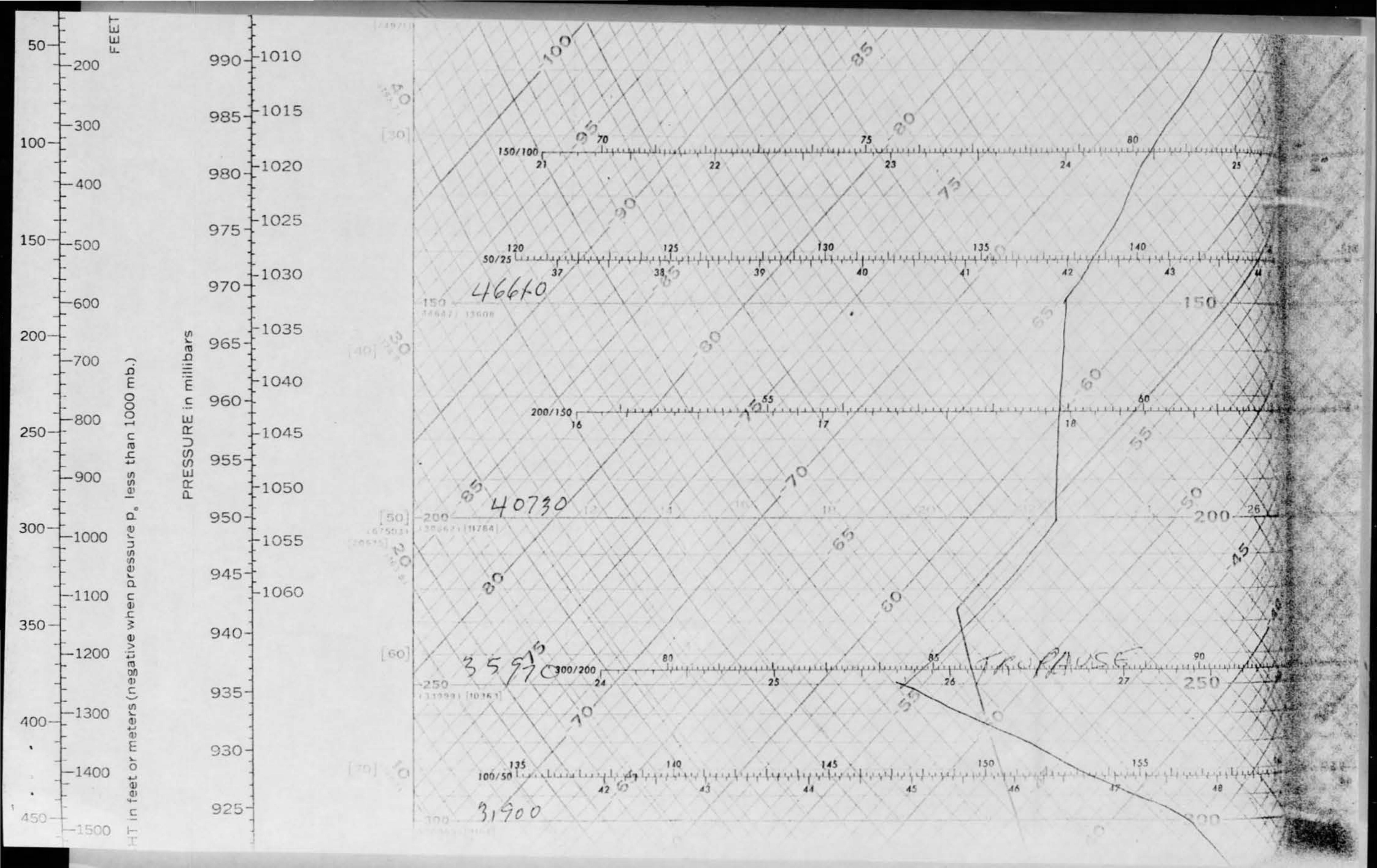
SKEW T - LOG P ANALYSIS	
TIME	TIME
AIRMASS ANALYSIS	
TYPE	
BOUNDARY	FT.
TYPE	
BOUNDARY	FT.
TYPE	
FREEZING LEVEL(S)	
INVERSIONS	
FRONTAL	
RADIATION	
SUBSIDENCE	
TROPOPAUSE	

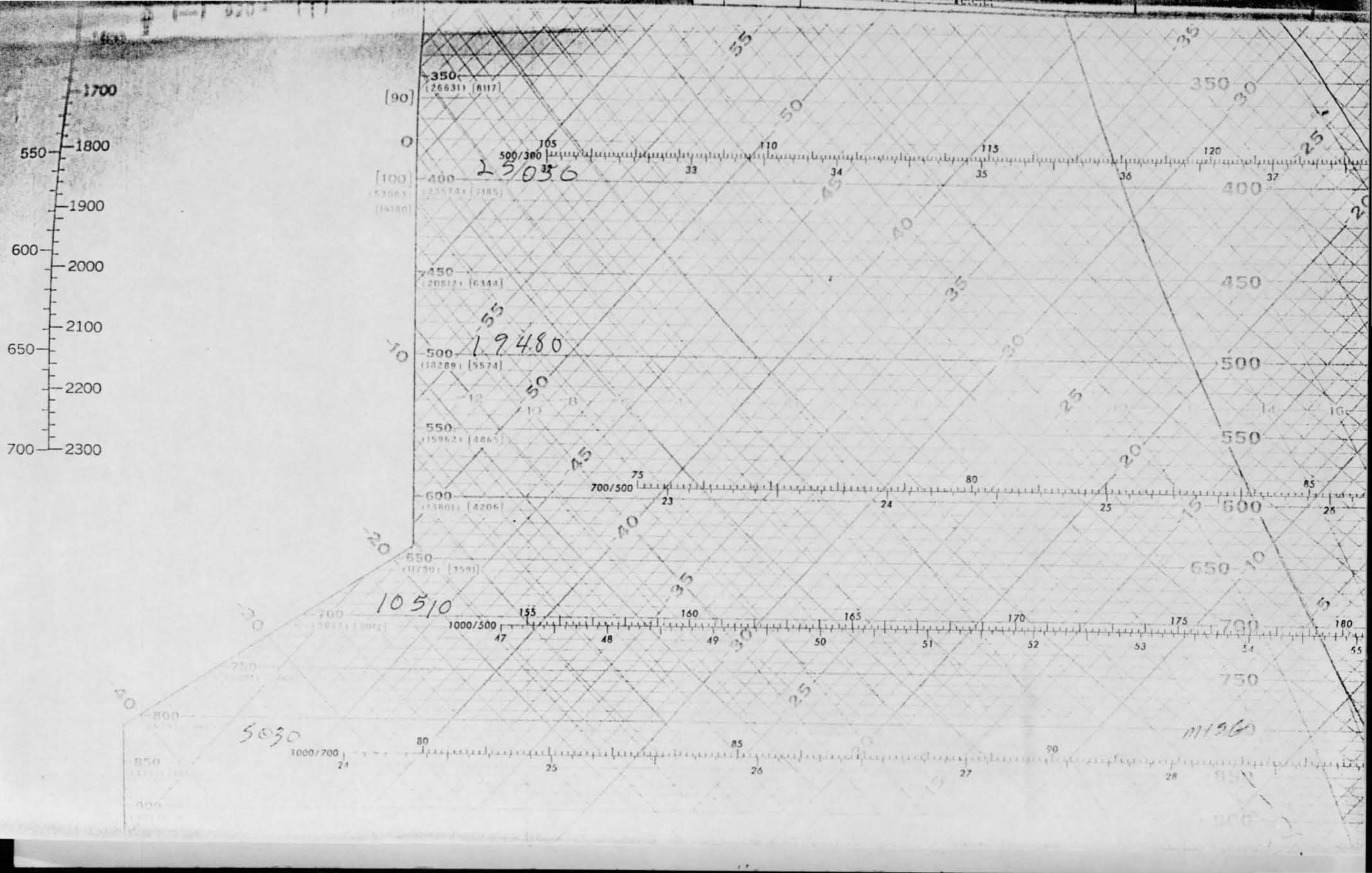
Form: AWS WPC 9-16

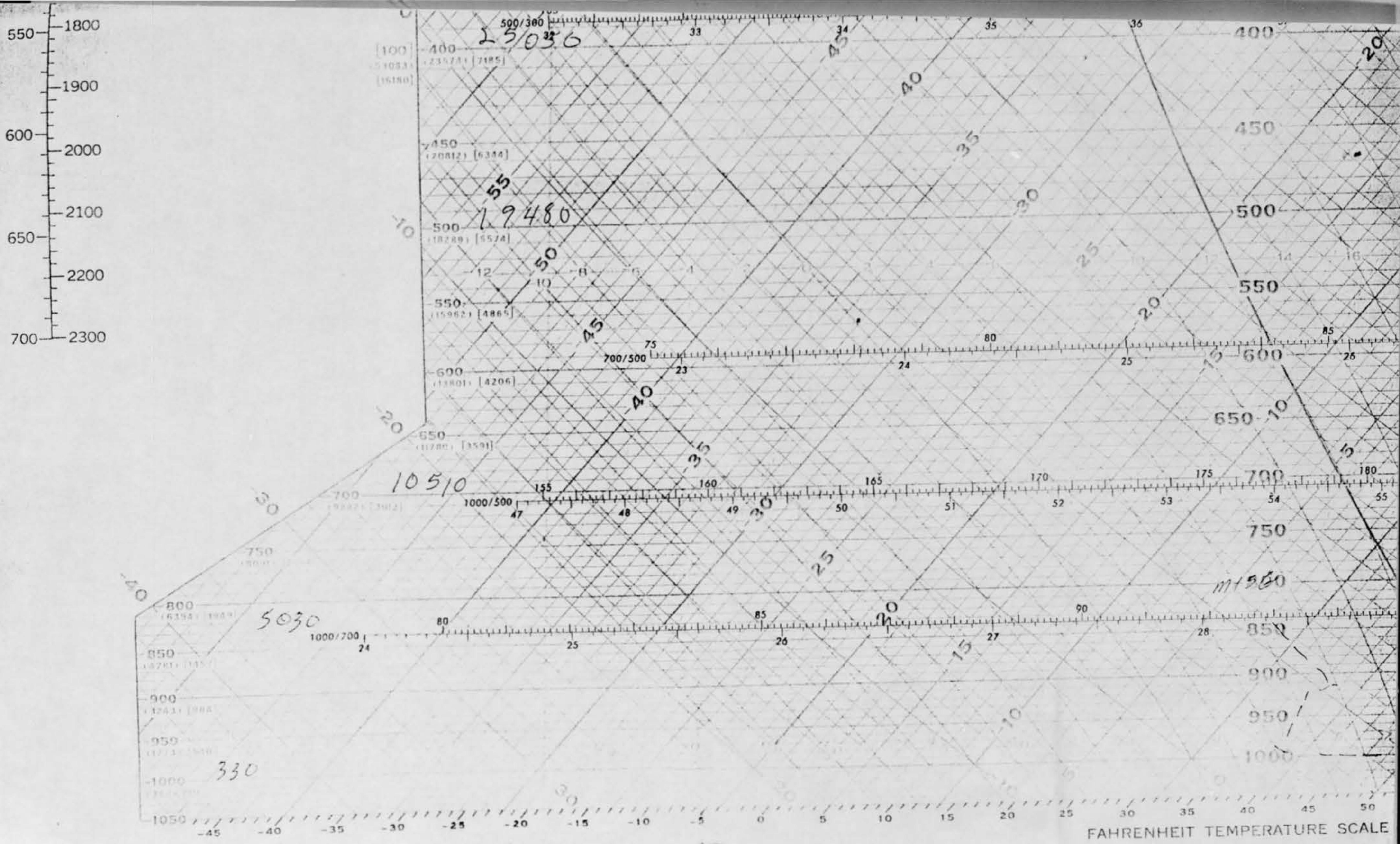
USAF SKEW T, log p DIAG

TEMPERATURE IN DEGREES FAHRENHEIT AND CELSIUS









WISCONSIN STATE AGRICULTURAL CHART AND INFORMATION CENTER.



- B. VOLLEY BALL
- C. BRIGHT GOLD
- D. ONE
- E. NEGATIVE
- F. NEGATIVE
- G. NEGATIVE
- H. NEGATIVE
- I. NEGATIVE

Other

PAGE TWO RJEDEN 116

- 2. A. SIGHTER OBJECT FROM HIGHWAY
- B. APPROXIMATELY 60 DEGREES ELEVATION DASH 315 DEGREES AXIMUTH
- C. APPROXIMATELY 40 DEGREES ELEVATION DASH 315 DEGREES AZIMUTH
- D. STRAIGHT FLIGHT DASH PATH DASH NO MANEUVERS
- E. DRIFTET BEHIND MOUNTAINS
- F. APPROXIMATELY TWO PAREN 2 PAREN HOURS
- 3. A. 24/2330 Z
- B. DAY
- 5. VILLA GROVE CMM COLORADO
- 6. CIVILIAN REDACTED CMM AGE 50 REDACTED
- REDACTED CMM VILLA GROVE CMM COLORADO
- 7. A. CLEAR
- B. NEGATIVE
- C. UNLIMITED
- D. UNLIMITED

1. NONE
2. NEGATISE
3. NEGATIVE
4. NEGATIVE

PAGE THREE RJEDEN 116

11. CAPTAIN EUGENE MAXWELL CMM INTELLIGENCE OFFICER PD POSSIBLY
A WEATHER BALLOON PD END

25/30472 JUN RJEDEN

24/2330Z

Witness

26 JUN 57 10 02

1PMD 13V WPCUE YMB126ENA 137

RAJEDN RAJEPHQ RJWFDN

RAJEDEN 116

251655Z

CONMR 4 502 AISS ENT AFB COLO

GEN/COMADC ENT AFB COLO

1PDR/CONMR 34TH AD KIRTLAND AFB NMEX

1PDR/CONMR ATIC WPAFB OHIO

1PDR/1 MEDUSAF WASH DC

1PDR/100P 555 PD U F O E PD

240657-02

25-

17464

3-4X2a

160

P.

Title: Overlay showing aircraft plotted by "Overlay" on the night of 23 June 57

DATE 24 JUNE 1957 INITIAL 3FIGHTERS TRACK NO UNKNOWN 3I.D. CONTROLLER TALLY-HO 3

KN	LN	MN	NM	PN	CN	AN	BN	CN
KN	LM	MM	NM	PM	CM	AM	BM	CM
KL	LL	ML	BL	PL	OL	AL	BL	CL
KX	IX	MX	NX	PX	CX	AX	EX	CX
KJ	LJ	MJ	NJ	PJ	QJ	AJ	RJ	CJ
KH	LH	MH	NH	PH	QH	AN	RH	CH
KG	LG	MG	NG	PG	QG	AG	RG	CG
Aircraft picked up on Radar by Overlay on night of 24 June 1957.								
LF	LF	MF	NF	PF	QF	AF	RF	CF
JAMES E SULLIVAN CAPT, Direction Center-CHIC BURTH ACTW, MATTER AFIS, CALIF								
LE	ME	NE	PE	QE	AE	BE	CE	

WHEN FILLED IN

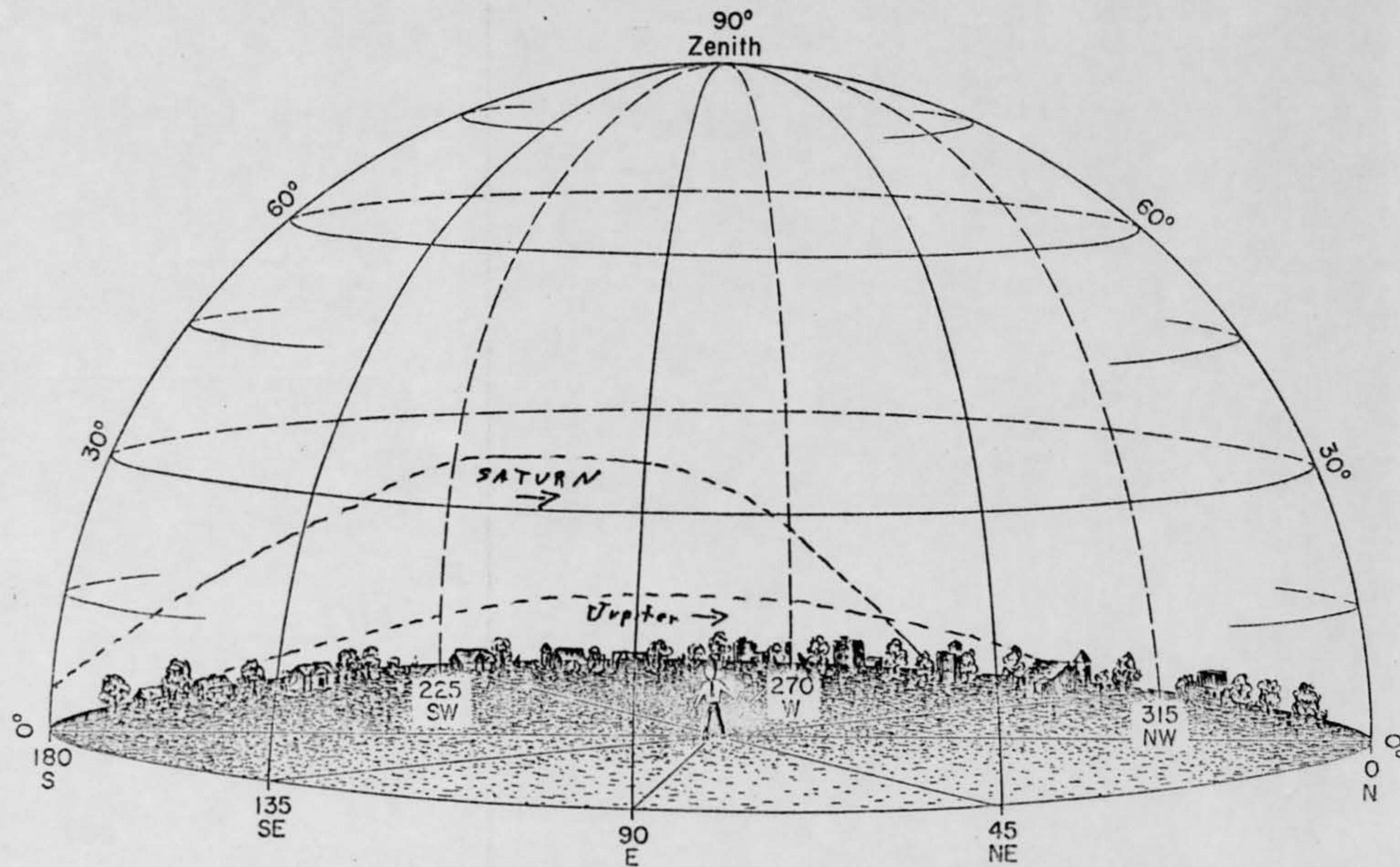
DET 1,

AISSE CLAS

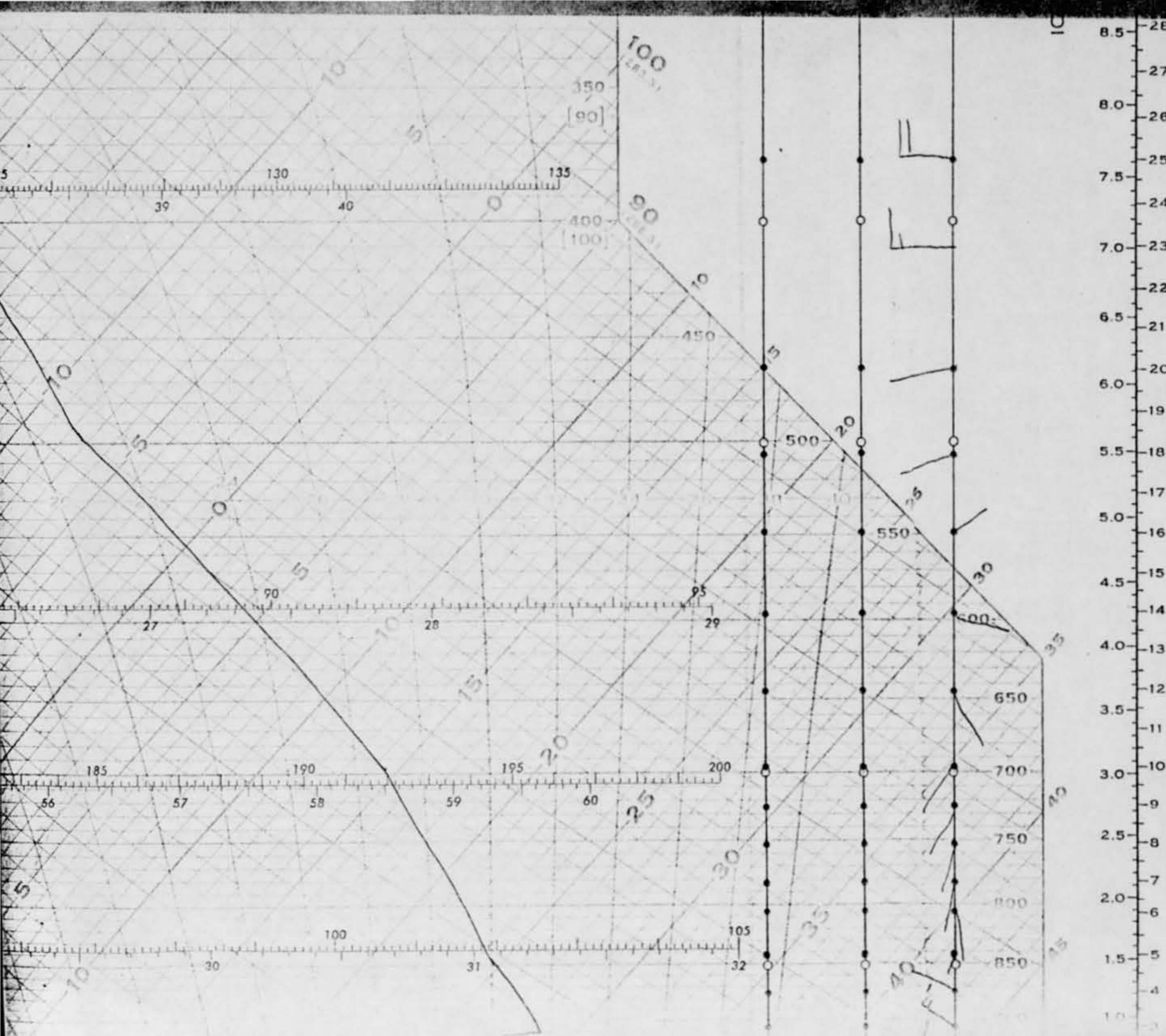
Report # DI-UFOB-1-57

Incl # 3

Title: Sketch showing positions and tracks of Planets Jupiter and Saturn on the night of 23 June as drawn by Captain James E. Sullivan Direction Center Chief, 668th AC&W, Mather AFB, Calif., Senior Navigator.



140 1713



L.F.C.	
SIGNIFICANT WIND	
MAX.	
MIN.	
LEVELS OF SHEAR	
STABILITY	
INDEX	INDEX
TO	TO
TO	TO
TO	TO
CLOUDS	
TYPE	
AMOUNT	
BASES	
TOPS	
ICING	
TYPE	
SEVERITY	
BOUNDARIES	
CONTRAILS	
PERSISTENCE	
HEIGHT	
TURBULENCE	
DEGREE	
HEIGHT(S)	
MAX WIND GUSTS	
HAIL SIZE	
TEMPERATURES	
MAX.	
MIN.	
CUMULUS CLOUD FORMATION AT TEMP _____ TIME _____	
DISSIPATION OF LOW LEVEL INVERSION AT _____ TIME _____	
REMARKS	
FORECASTER	FORECASTER

493

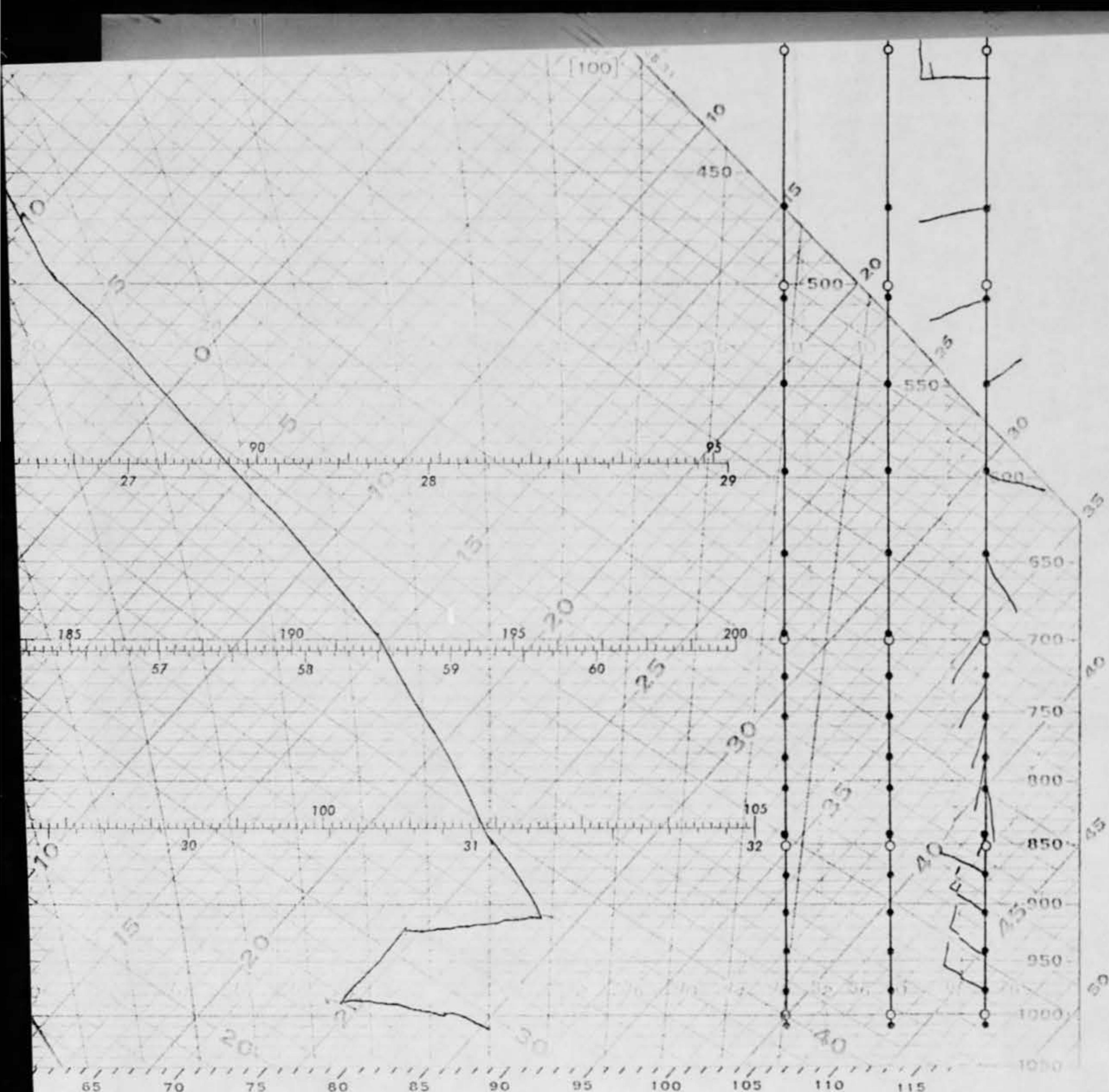
CFR

0000Z

+7

THIS TRUE
OF R10B FOR 24 JUN 57

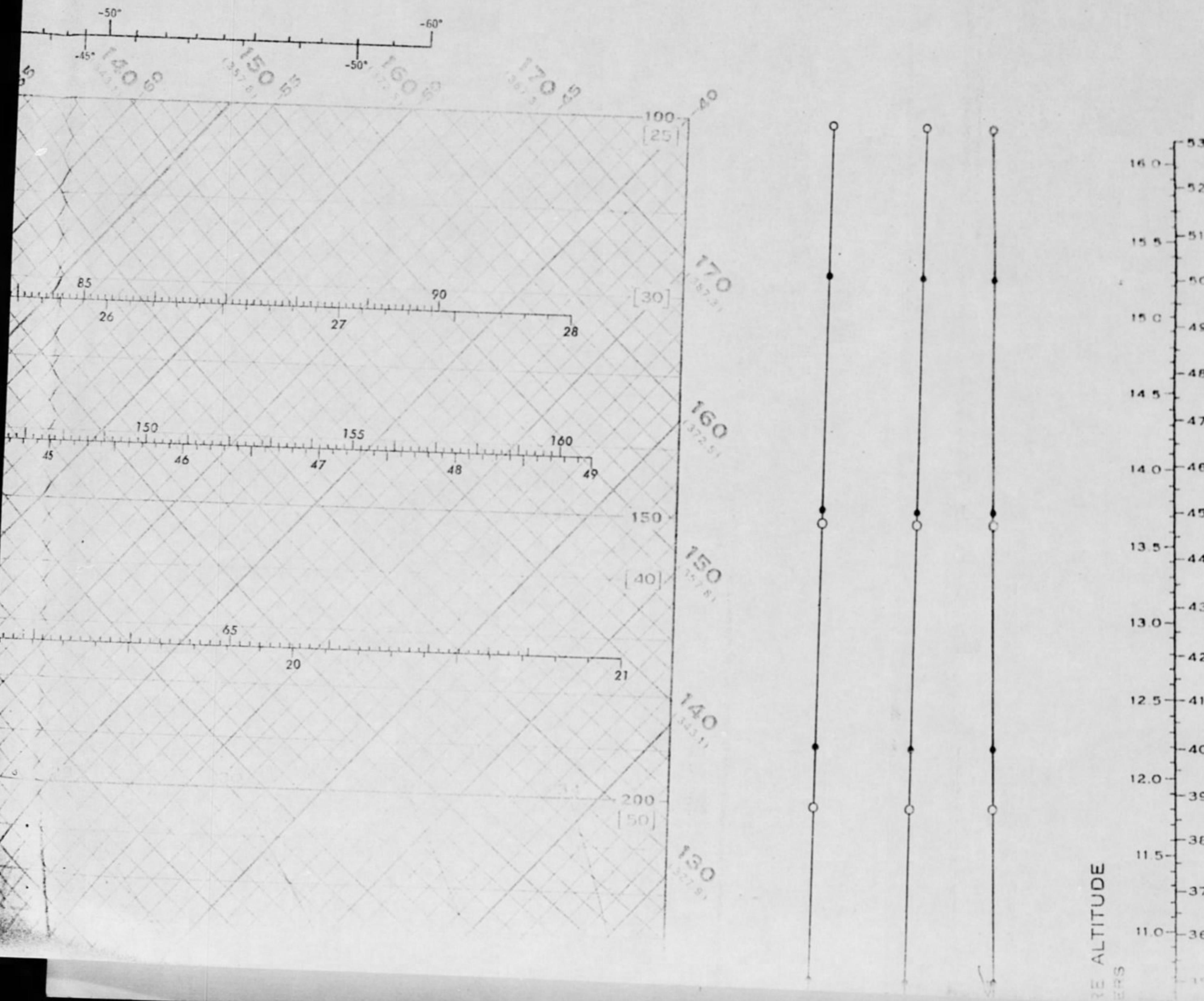
1000Z 24 JUN 57



TO	TO	TO
CLOUDS		
TYPE		
AMOUNT		
BASES		
TOPS		
ICING		
TYPE		
SEVERITY		
BOUNDARIES		
CONTRAILS		
PERSISTENCE		
HEIGHT		
TURBULENCE		
DEGREE		
HEIGHT(S)		
MAX WIND GUSTS		
HAIL SIZE		
TEMPERATURES		
MAX.		
MIN.		
CUMULUS CLOUD FORMATION AT TEMP _____ TIME _____		
DISSIPATION OF LOW LEVEL INVERSION AT _____ TIME _____		
REMARKS		
FORECASTER	FORECASTER	

493 OAK
 0000Z +7 24 JUN 57
 THIS TRUE ~~24 JUN 57~~
 OF RAOB FOR 24 JUNESY
 LAUNCHED FROM OAKLAND
 CALIF AND PLOTTED BY
 NUMBER WEATHER STATION
 AT MC CLELLAN AFB
 TIME (GCT) DATE (GCT)

M. B. SOKERSEN
 104-6th WEATHER GROUP
 Form: AWS WPC 9-16



EXPLANATION

ISOBARS are straight, horizontal brown lines. The heights of the pressure surfaces in the ICAO Standard atmosphere, below the pressure values on the left, are in parentheses() for values in feet and brackets[] for meter values.

ISOTHERMS ($^{\circ}\text{C}$) are the straight, equidistant brown lines running diagonally upward from left to right.

DRY ADIABATS are the slightly curved brown lines that intersect the 1000 mb. isobar at intervals of 2°C , and run diagonally upward from right to left. The Dry Adiabats for the overlap portion of the pressure range are labeled with two(2) values. (See below.)

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